



SPYWOLF

Security Audit Report



Completed on
December 26, 2022



OVERVIEW

This audit has been prepared for **Lunar Grumble** to review the main aspects of the project to help investors make an informative decision during their research process.

You will find a summarized review of the following key points:

- ✓ Contract's source code
- ✓ Owners' wallets
- ✓ Tokenomics
- ✓ Team transparency and goals
- ✓ Website's age, code, security and UX
- ✓ Whitepaper and roadmap
- ✓ Social media & online presence

“

The results of this audit are purely based on the team's evaluation and does not guarantee nor reflect the projects outcome and goal

- SPYWOLF Team -

”





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Lunar Gumble



PROJECT DESCRIPTION

According to their website:

Lunar Gumble is a socialfi decentralised gaming platform allows players to play and earn with crypto.

Their team works closely with gaming studios all around the world to build products for regular users and players.

Release Date: Presale starts in December, 2022

Category: Play to earn (P2E)



CONTRACT INFO

Token Name
LunarGumble

Symbol
LNG

Contract Address

0x8B86321677d81Ee2eA1Db017B8CC2053a1d5826a

Network

Binance Smart Chain

Language

Solidity

Deployment Date

Dec 21, 2022

Verified?

Yes

Total Supply

100,000,000

Status

Not launched

TAXES

Buy Tax
none

Sell Tax
none

Our Contract Review Process

The contract review process pays special attention to the following:

- ✓ Testing the smart contracts against both common and uncommon vulnerabilities
- ✓ Assessing the codebase to ensure compliance with current best practices and industry standards.
- ✓ Ensuring contract logic meets the specifications and intentions of the client.
- ✓ Cross referencing contract structure and implementation against similar smart contracts produced by industry leaders.
- ✓ Thorough line-by-line manual review of the entire codebase by industry experts.

Blockchain security tools used:

- OpenZeppelin
- Mythril
- Solidity Compiler
- Hardhat



CURRENT STATS

(As of Dec 12, 2022)



Liquidity

Not added yet



Burn

No burnt tokens

Status:
Not Launched!

MaxTxAmount
No limit

DEX
PancakeSwap

LP Address(es)

Liquidity not added yet



TOKEN TRANSFERS STATS

| | |
|-------------------------|---------------|
| Transfer Count | 2 |
| Uniq Senders | 2 |
| Uniq Receivers | 2 |
| Total Amount | 101000000 LNG |
| Median Transfer Amount | 100000000 LNG |
| Average Transfer Amount | 50500000 LNG |
| First transfer date | 2022-12-21 |
| Last transfer date | 2022-12-24 |
| Days token transferred | 2 |

SMART CONTRACT STATS

| | |
|-----------------------|--|
| Calls Count | 2 |
| External calls | 2 |
| Internal calls | 0 |
| Transactions count | 2 |
| Uniq Callers | 1 |
| Days contract called | 2 |
| Last transaction time | 2022-12-24 07:30:53 UTC |
| Created | 2022-12-21 07:24:55 UTC |
| Create TX | 0x9561c95149cb912d837cd403c9049dcecb738d0840e8a68ebc0872e8a5b065f0 |
| Creator | 0xc40295f5a6e4b37cd4fee8ea1ac8b357559c4799 |

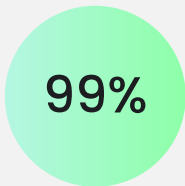


FEATURED WALLETS

| | |
|---------------|--|
| Owner address | 0xc40295f5a6e4b37cd4fee8ea1ac8b357559c4799 |
| LP address | Liquidity not added yet |

TOP 3 UNLOCKED WALLETS

1

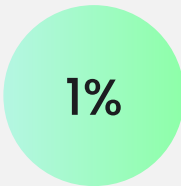


99%

Same as owner

0x647468e163ff78bfc36aacbad1e043c0e7be7625

2



1%



VULNERABILITY CHECK

| | |
|--|--------|
| Design Logic | Passed |
| Compiler warnings. | Passed |
| Private user data leaks | Passed |
| Timestamp dependence | Passed |
| Integer overflow and underflow | Passed |
| Race conditions and reentrancy. Cross-function race conditions | Passed |
| Possible delays in data delivery | Passed |
| Oracle calls | Passed |
| Front running | Passed |
| DoS with Revert | Passed |
| DoS with block gas limit | Passed |
| Methods execution permissions | Passed |
| Economy model | Passed |
| Impact of the exchange rate on the logic | Passed |
| Malicious Event log | Passed |
| Scoping and declarations | Passed |
| Uninitialized storage pointers | Passed |
| Arithmetic accuracy | Passed |
| Cross-function race conditions | Passed |
| Safe Zeppelin module | Passed |
| Fallback function security | Passed |



THREAT LEVELS

When performing smart contract audits, our specialists look for known vulnerabilities as well as logical and access control issues within the code. The exploitation of these issues by malicious actors may cause serious financial damage to projects that failed to get an audit in time. We categorize these vulnerabilities by the following levels:

High Risk

Issues on this level are critical to the smart contract's performance/functionality and should be fixed before moving to a live environment.

Medium Risk

Issues on this level are critical to the smart contract's performance/functionality and should be fixed before moving to a live environment.

Low Risk

Issues on this level are minor details and warning that can remain unfixed.

Informational

Information level is to offer suggestions for improvement of efficacy or security for features with a risk free factor.



FOUND THREATS

Medium Risk

Owner can pause trade, making it impossible to sell.

```
function pause() public onlyOwner {
    _pause();
}

function _pause() internal virtual whenNotPaused {
    _paused = true;
    emit Paused(_msgSender());
}

function _requireNotPaused() internal view virtual {
    require(!_paused(), "Pausable: paused");
}

modifier whenNotPaused() {
    _requireNotPaused();
    _;
}

function _beforeTokenTransfer(address from, address to, uint256 amount)
internal
whenNotPaused
override
{
    super._beforeTokenTransfer(from, to, amount);
}

function _transfer(
    address from,
    address to,
    uint256 amount
) internal virtual {
    require(from != address(0), "ERC20: transfer from the zero address");
    require(to != address(0), "ERC20: transfer to the zero address");

    _beforeTokenTransfer(from, to, amount);
    .....
}
```

- Recommendation:
 - From investor's point of view, it is not desirable for contract's owners to be able to pause the contract if it is not absolutely necessary for the project and its mechanics.



RECOMMENDATIONS FOR

GOOD PRACTICES

1

Consider fundamental tradeoffs

2

Be attentive to blockchain properties

3

Ensure careful rollouts

4

Keep contracts simple

5

Stay up to date and track development

Lunar Gumble

GOOD PRACTICES FOUND

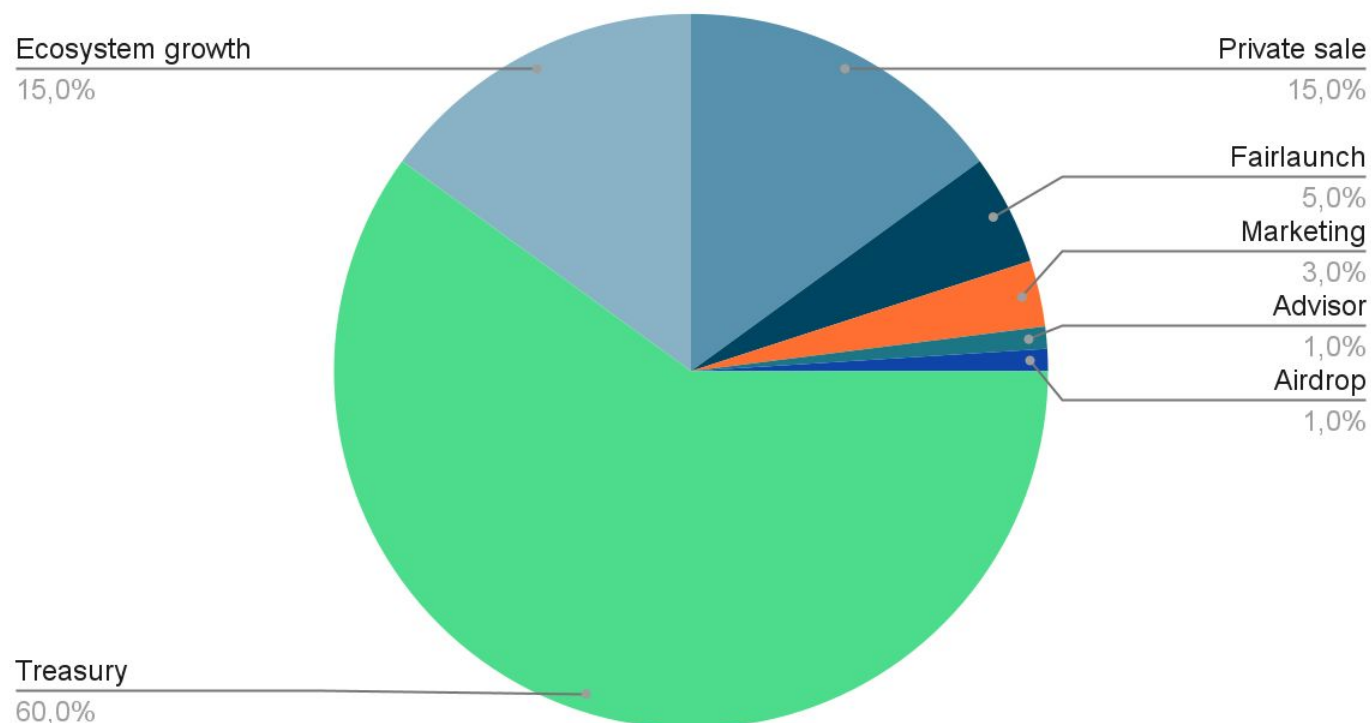
- ✓ The owner cannot mint new tokens after deployment
- ✓ The owner cannot set a transaction limit



The following tokenomics are based on the project's whitepaper and/or website:

- 15% - Private sale
- 5% - Fairlaunch
- 1% - Advisor
- 1% - Airdrop
- 15% - Ecosystem growth
- 3% - Marketing
- 60% - Treasury

Tokens distribution



TOKENOMICS



THE TEAM

! The team is anonymous

KYC INFORMATION

! No KYC

We recommend the team to get a KYC in order to ensure trust and transparency within the community.





WEBSITE

Website URL

<https://lunargumble.lol/>

Domain Registry

<https://namecheap.com>

Domain Expiration

Expires on 2023-12-19

Technical SEO Test

Passed

Security Test

Passed. SSL certificate present

Design

Single page design,
appropriate color scheme
and graphics.

Content

The information helps new
investors understand what
the product does right away.
No grammar mistakes
found.

Whitepaper

Well written, explanatory.

Roadmap

Yes, goals set with time
frames.

Mobile-friendly?

Yes



lunargumble.lol



SOCIAL MEDIA & ONLINE PRESENCE



ANALYSIS

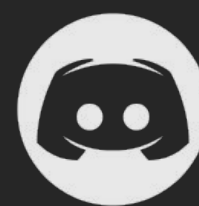
Project's social media pages are active with organic members



Twitter

@LunarGumble

- 45 followers
- Acite
- Posts frequently



Discord

- Not available



Telegram

@lunargumblechat

- 1 605 members
- Active members
- Daily announcements



Medium

- Not available



SPYWOLF

CRYPTO SECURITY

Audits | KYCs | dApps
Contract Development

ABOUT US

We are a growing crypto security agency offering audits, KYCs and consulting services for some of the top names in the crypto industry.

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- ✓ MORE THAN 500 SCAMS EXPOSED
- ✓ MILLIONS SAVED IN POTENTIAL FRAUD
- ✓ PARTNERSHIPS WITH TOP LAUNCHPADS, INFLUENCERS AND CRYPTO PROJECTS
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t.me/joe_SpyWolf

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Disclaimer

This report shows findings based on our limited project analysis, following good industry practice from the date of this report, in relation to cybersecurity vulnerabilities and issues in the framework and algorithms based on smart contracts, overall social media and website presence and team transparency details of which are set out in this report. In order to get a full view of our analysis, it is crucial for you to read the full report.

While we have done our best in conducting our analysis and producing this report, it is important to note that you should not rely on this report and cannot claim against us on the basis of what it says or doesn't say, or how we produced it, and it is important for you to conduct your own independent investigations before making any decisions. We go into more detail on this in the disclaimer below – please make sure to read it in full.

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No applications were reviewed for security. No product code has been reviewed.